

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims:

1. (Original) An electromechanical driver, flexible shaft, and surgical attachment assembly, comprising:

- a) a flexible shaft including a flexible sheath having a first end and a second end, and having disposed therein at least one flexible torque translating member and at least one electrical connection wire;
- b) said at least one flexible torque translating member being coupleable to a surgical attachment at said first end of said sheath, and to a driver element at said second end;
- c) said surgical attachment including:
 - i) at least one selectively moveable element, said moveable element being coupled to said torque translating member such that said moveable element may be selectively moved in correspondence with the provision of a torque along said torque translating member,
 - ii) at least one selectively activatable sensor mechanism for sensing and providing data concerning at least one feature of the environment surrounding said attachment when selectively activated by an activating signal,
 - iii) said attachment further including at least one transmitter and receiver mechanism coupled to the sensor mechanism and the at least one electrical connection wire for receiving said activating signal, and transmitting said sensor data along said connection wire; and
- d) said driver element including
 - i) a torque generating mechanism coupled to said torque translating member, and
 - ii) a processor element coupled to said at least one electrical connection wire for sending an activating signal, receiving said sensor data, analyzing same, and controlling the application of said torque by said torque generating mechanism in accordance with said analysis.

2. (Original) The electromechanical driver assembly as set forth in claim 1, wherein the surgical attachment comprises an anastomosing, resecting, and stapling instrument.

3. (Original) The electromechanical driver assembly as set forth in claim 1, wherein the activatable sensor comprises a pulse oximeter.

4. (Original) The electromechanical driver assembly as set forth in claim 1, wherein the activatable sensor comprises a tissue proximity detector.

5. (Original) The electromechanical driver assembly as set forth in claim 1, wherein the processor element of the driver element is coupled to a display means.

Claims 6 -14 (Canceled).

15. (New) A surgical attachment coupleable to a torque generating element, comprising:
at least one selectively moveable element being coupled via a torque translating member to the torque generating element, the at least one selectively moveable element being configured to selectively move the moveable element; and

at least one sensor mechanism configured to sense and provide data corresponding to at least one feature of an environment surrounding the attachment.

16. (New) The surgical attachment as set forth in claim 15, wherein an amount of torque generated by the torque generating element corresponds to the data.

17. (New) The surgical attachment as set forth in claim 15, wherein the surgical attachment is an anastomosing, resecting, and stapling instrument.

18. (New) The surgical attachment as set forth in claim 15, wherein the sensor includes a pulse oximeter.

19. (New) The surgical attachment as set forth in claim 15, wherein the sensor includes a tissue proximity detector.

20. (New) The surgical attachment as set forth in claim 15, further comprising a display device configured to provide a display that corresponds to the data.

21. (New) The surgical attachment as set forth in claim 15, wherein the torque translating member is housed within a flexible shaft.

22. (New) The surgical attachment as set forth in claim 15, wherein the sensor is selectively activateable.

23. (New) A surgical system comprising:

a driver element including a torque generating element;

a flexible shaft including a torque translating member that is coupled at a first end to the torque generating element;

a surgical attachment coupleable to the flexible shaft, the surgical attachment including at least one selectively moveable element that is coupleable to a second end of a

torque translating member and that is selectively moveable by the torque generating member via a torque translating member,

the surgical attachment further including a sensor mechanism configured to sense and provide data corresponding to at least one feature of an environment surrounding the surgical attachment, wherein an amount of torque generated by the torque generating element corresponds to the data.

24. (New) The surgical system as set forth in claim 23, wherein the surgical attachment is an anastomosing, resecting, and stapling instrument.

25. (New) The surgical system as set forth in claim 23, wherein the sensor includes a pulse oximeter.

26. (New) The surgical system as set forth in claim 23, wherein the sensor includes a tissue proximity detector.

27. (New) The surgical system as set forth in claim 23, further comprising a display device configured to provide a display that corresponds to the data.

28. (New) The surgical system as set forth in claim 23, wherein the torque translating member is housed within a flexible shaft.

29. (New) The surgical system as set forth in claim 23, wherein the sensor is selectively activateable.

30. (New) A surgical stapler comprising:

a first jaw;

a second jaw coupled to the first jaw, wherein the first and second jaws are moveable relative to each other so as to staple a section of tissue disposed between the first and second jaws; and

a sensor mechanism configured to sense and provide data corresponding to a condition of the section of tissue when the section of tissue is disposed between the first and second jaws.

31. (New) The surgical stapler as set forth in claim 30, wherein the surgical stapler is an anastomosing, resecting, and stapling instrument.

32. (New) The surgical stapler as set forth in claim 30, wherein the sensor includes a pulse oximeter.

33. (New) The surgical stapler as set forth in claim 30, wherein the sensor includes a tissue proximity detector.

34. (New) The surgical stapler as set forth in claim 30, wherein the surgical stapler is coupleable to a driver element including a torque generating element.

35. (New) The surgical stapler as set forth in claim 34, wherein the surgical stapler is coupleable to the driver element via a flexible shaft, the flexible shaft including a torque translating member that is coupleable at a first end to the torque generating element.

36. (New) The surgical stapler as set forth in claim 35, wherein the surgical stapler is coupleable to the flexible shaft.

37. (New) The surgical stapler as set forth in claim 36, wherein at least one of the first and second jaws is coupleable to a second end of the torque translating member and is selectively moveable by the torque generating member via the torque translating member.

38. (New) The surgical stapler as set forth in claim 34, wherein an amount of torque generated by the torque generating element corresponds to the data.

39. (New) The surgical stapler as set forth in claim 30, further comprising a display device configured to provide a display that corresponds to the data.

40. (New) The surgical stapler as set forth in claim 30, wherein the sensor is selectively activateable.